

**METHOD FOR MAKING NON-DEHISCENT SESAME****ABSTRACT OF THE INVENTION**

A breeding method for a non-dehiscent sesame plant has been developed. Non-dehiscent sesame varieties are characterized by having sufficient capsule split, capsule opening, capsule placenta attachment, capsule constriction, and capsule membrane attachment to allow seed retention in the field after physiological maturity during adverse weather conditions such as rain, wind, and dew and also to allow ready release of seed from the capsule during mechanized harvesting with minimal broken seed. A mechanical method is also provided for quantitative screening of sesame plants for non-dehiscence.

09150799 091099